

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A liquid-crystal display apparatus, comprising:
a first substrate having:
a plurality of first substrate terminals located adjacent to and aligned along a center portion of a first edge of said first substrate and extending linearly toward a second edge of said first substrate opposing said first edge; and
a first electrode pattern electrically connected to said first substrate terminals;
a second substrate having:
a plurality of first input terminals located adjacent to and aligned along a first edge of said second substrate and extending linearly toward a second edge of said second substrate opposing said first edge of said second substrate;
a plurality of second substrate terminals electrically connected to said first input terminals and extending linearly toward the second edge of said second substrate;
a plurality of second input terminals located adjacent to and aligned along said first edge of said first substrate and extending linearly toward said second edge of said second substrate, the second input terminals having a first portion flanking one side of said first input terminals and a second portion flanking another side of said first input terminals; and

a second electrode pattern including a plurality of lines each electrically connected to a corresponding one of said second input terminals;

a sealing member having a conductive material, the sealing member adhering the first and second substrates to each other and defining a liquid-crystal sealing area; and

a liquid crystal that fills the liquid crystal sealing area;

wherein said first substrate and said second substrate are located in an opposed manner through said sealing member so that the first substrate terminals and said second substrate terminals overlap each other as viewed in plan; and

said first substrate terminals and said second substrate terminals are electrically connected to each other with said conductive material in a conductive area;

the lines of the second electrode pattern within the liquid-crystal sealing area each including:

a first linear portion that extends linearly from where the line is electrically connected to the corresponding second input terminal, the first linear portion of each line extending for a different length than the first linear portion of other lines of the second electrode pattern;

an oblique portion that slants obliquely from the first linear portion, a spacing between the lines of the second electrode pattern being narrower at the oblique portions than at the first linear portions, and the oblique portion overlapping an extension of the conductive area;

a second linear portion that extends linearly from the oblique portion toward the second edge of the second substrate; and

a second-edge parallel portion that extends from the second linear portion parallel with the second edge of the second substrate.

2. (Cancelled)

3. (Previously Presented) A liquid-crystal display apparatus according to claim 1,

wherein image data is supplied to said first electrode pattern, and a scanning signal is supplied to said second electrode pattern.

4. (Currently Amended) A liquid-crystal display apparatus, comprising:

a first substrate having:

a plurality of first substrate terminals located adjacent to and aligned along a center portion of a first edge of said first substrate and extending linearly toward a second edge of said first substrate opposing said first edge; and

a first electrode pattern electrically connected to said first terminals;

and

a second substrate having:

a plurality of input terminals, located adjacent to and aligned along a first edge of said second substrate and extending linearly toward a second edge of said second substrate opposing said first edge;

a plurality of second substrate terminals for conduction between substrates that extend linearly toward said second edge of said second substrate; and

a second electrode pattern,

wherein said first and second substrates are located in an opposed manner through said sealing member so that said first substrate terminals and said second substrate terminals overlap each other as viewed in plan,

wherein a driving IC is mounted on said second substrate, said driving IC having:

an input terminal electrically connected to said input terminals; and

an output terminal electrically connected to said second substrate terminals for conduction between substrates and said second electrode pattern;

a sealing member having a conductive material, the sealing member adhering the first and second substrates to each other and defining a liquid-crystal sealing area; and

a liquid crystal that fills the liquid crystal sealing area;

the second substrate terminals and the second electrode pattern being aligned following an edge of the second substrate that is adjacent to the driving IC and electrically connected to the driving IC,

wherein said first substrate terminals and said second substrate terminals, are electrically connected to each other by a conductive material sandwiched between said first substrate and said second substrate in a conductive area,

the lines of the second electrode pattern within the liquid-crystal sealing area each including:

a first linear portion that extends linearly from where the line is electrically connected to the corresponding second input terminal, the first linear portion of each line extending for a different length than the first linear portion of other lines of the second electrode pattern;

an oblique portion that slants obliquely from the first linear portion, a spacing between the lines of the second electrode pattern being narrower at the oblique portions than at the first linear portions, and the oblique portion overlapping an extension of the conductive area;

a second linear portion that extends linearly from the oblique portion toward the second edge of the second substrate; and

a second-edge parallel portion that extends from the second linear portion parallel with the second edge of the second substrate.

5. (Cancelled)

6. (Previously Presented) A liquid-crystal display apparatus according to claim 4, wherein image data is supplied to said first electrode pattern, and a scanning signal is supplied to said second electrode pattern.

7. – 16. (Cancelled)

17. (Previously Presented) The liquid crystal display apparatus as claimed in claim 1, wherein:

the first input terminals extend in a direction from the first edge of the second substrate;

the conductive material extends in a direction substantially perpendicular to the direction in which the first input terminals extend; and

the boundary between the first linear portion and the oblique portion is located lateral to the conductive material in the direction in which the conductive material extends.